BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BANGALORE - 92.

COMPLETION CERTIFICATE

Office of the Executive Engineer, BBMP, Byatarayanapura, Bangalore.

Work Code No: 011-22-000008

Name of the Work: Repair and Maintenance of Roads and Drains in Ward No. 11 (Kuvempunagara).

Sl No.	Particulars	
1	Name of Contractor	Sri Puttaraju. A
2	Amount of Estimate	Rs. 20.00 Lakhs
3	Amount of Expenditure	18,49,597.00
	a. Excess	-
	b. Savings	1,50,403.00
4	Date of Commencement of Work	20-04-2022
5	Date of Completion of Work	30-04-22
6	Name of the Subordinate in charge of the work	Sri. Somashekar G.L A.E
7	Name of the Inspecting Office	Sri. Shivakumar M Goudar A.E.E
8	Other Details if any	-

Certified that the work is satisfactorily executed.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore MahanagaraPalike
Vidyaranyapura Sub division
Bangalore-97.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
Bangalore-92.

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Repair and Maintenance of Roads and Drains in Ward No. 11 (Kuvempunagara).

Estimated Cost : Rs. 20.00 Lakhs

Head of Account : P-3726 Zonal Public Works

Job Code: 011-22-000008

Name of Agency: Sri. Puttaraju. A, No. B48/5, Puttu Nilaya, Pipeline B Cross, Bahubali Nagara, Jalahalli, Bangalore - 560013.

Work order No: BBMP/EE/BTP/WO/12/2022-23 D: 19-04-2022.

	Measurements Recarded on :	26/04/22						
Sl No.	Description	No.	L	B	D	Qty	Rate / Qty	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 01 is =					**264.80**	225.59	**59736.00**
2	Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 02 is =					**38.10**	5015.26	**191081.00**
3	Providing laying palin / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including cenmtering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 03 is =					**63.00**	6539.94	**412016.00**
4	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. **TMT bars Fe 500**						Tonne	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 04 is =					**3.78**	83801.37	**316769.00**
5	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 05 is =					**28.35**	5376.08	**152412.00**
6	Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications						Sqm	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 06 is =					**54.00**	139.23	**7518.00**

Sl No.	Description	No.	L	B	D	Qty	Rate / Qty	Amount
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						Cum	
	Ramp							
	Vyshnavi Layout 3rd Main Road	1	15.00	0.60	0.10	0.90		
		1	13.00	0.60	0.10	0.78		
		1	9.00	0.60	0.10	0.54		
		1	8.30	0.60	0.10	0.50		
	Flagging Course Coping	2	9.00	0.15	0.10	0.27		
		2	8.30	0.15	0.10	0.25		
	Cross Road	1	17.00	0.60	0.10	1.02		
	Coping							
	1st Main Road	1	8.10	1.80	0.10	1.46		
		1	7.50	1.80	0.10	1.35		
	Cross Road	1	6.00	1.80	0.10	1.08		
	3rd Main	1	5.50	1.80	0.10	0.99		
	Ramp							
	1st Main Road	2	8.10	1.20	0.15	2.92		
		2	7.50	1.20	0.15	2.70		
	Cross Road	2	6.00	1.20	0.15	2.16		
	near Dhanalakshmi Stores	2	7.30	1.20	0.15	2.63		
	Culverts					**19.54**		
						19.50	5179.98	**101010.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

No.	Description	No.	L	B	D	Qty	Rate / Qty	Amount
	Measurements Recarded on : 27/04/22							
8	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.						Sqm	
	Vyshnavi Layout 3rd Main							
	S/S	29	0.60	0.90		15.66		
		2	0.60	0.90		1.08		
		3	0.60	0.90		1.62		
		2	0.60	0.90		1.08		
		4	0.60	0.90		2.16		
		15	0.60	0.90		8.10		
		14	0.60	0.90		7.56		
	N/S							
		4	0.60	0.90		2.16		
		4	0.60	0.90		2.16		
		5	0.60	0.90		2.70		
		25	0.60	0.90		13.50		
	Cross Road							
		10	0.60	0.90		5.40		
		12	0.60	0.90		6.48		
		15	0.60	0.90		8.10		
						77.76		
						77.40	2161.73	**167318.00**

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Vidayranyapura Sub Division

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Sl No.	Description	No.	L	B	D	Qty	Rate / Qty	Amount
	Measurements Recarded on :							
9	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.						Sqm	
	1st Main Road	1	8.10	1.80		14.58		
		1	7.50	1.80		13.50		
	Cross Road	1	6.00	1.80		10.80		
	near Dhanalakshmi Stores	1	7.30	1.80		13.14		
						52.02		
						48.60	5011.65	**243566.00**
	Sub Total							**1651426.00**
	GST @ 12%							**198171.00**
							Total	**1849597.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

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Vidyaranyapura Sub Division
BBMP, Bangalore - 97